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# MyIpfwAdvisor : A Software System for Guiding Student Course Schedule Construction

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## MylpfwAdvisor : A Software System for Guiding Student Course Schedule Construction

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The goal of the MylpfwAdvisor project is to create an intelligent software system that will guide a student through course schedule construction from matriculation through graduation. At the heart of MylpfwAdvisor is a constraint-satisfaction problem solver. This sophisticated third-party component takes a student's time, credit hour and cost constraints together with unsatisfied degree requirements and course preferences and generates a plausible schedule. Embedded in the system is access to the student's curriculum, academic progress record and current IPFW course offerings as well as knowledge of what courses may be used to satisfy what requirements, e.g. General Education Area IV. The system has a secure, web-based interface and service-oriented architecture.